

WHAT IS CLAIMED IS:

1. A resin composite material comprising:
 - a thermoplastic resin composition comprising a polyphenylene oxide;
 - 5 a layered clay mineral dispersed in said thermoplastic resin composition and organized with an organizing agent; and
 - a polar compound dispersed in said thermoplastic resin composition and chemically bonded to said layered clay mineral.
- 10 2. The resin composite material according to Claim 1, wherein said polar compound is a phosphate compound.
- 15 3. The resin composite material according to Claim 1, wherein said polar compound is a phosphite.
- 20 4. A method of producing a resin composite material comprising: a thermoplastic resin composition comprising a polyphenylene oxide; a layered clay mineral dispersed in said thermoplastic resin composition and organized with an organizing agent; and a polar compound dispersed in said thermoplastic resin composition and chemically bonded to said layered clay mineral, said method comprising:
 - 25 a step of dispersing the polar compound in the thermoplastic resin composition comprising the polyphenylene oxide, thereby obtaining a mixture of

- said thermoplastic resin composition and said polar compound; and

5 a step of dispersing the layered clay mineral organized with the organizing agent, in said mixture, thereby obtaining said resin composite material.

10 5. A method of producing a resin composite material comprising: a thermoplastic resin composition comprising a polyphenylene oxide; a layered clay mineral dispersed in said thermoplastic resin composition and organized with an organizing agent; and a polar compound dispersed in said thermoplastic resin composition and chemically bonded to said layered clay mineral, said method comprising:

15 a step of mixing the layered clay mineral organized with the organizing agent, and the polar compound, thereby obtaining a complex in which said layered clay mineral and said polar compound are chemically bonded to each other between layers of said layered clay mineral; and

20 a step of dispersing said complex in the thermoplastic resin composition comprising the polyphenylene oxide, thereby obtaining said resin composite material.